Amendments

In accordance with 37 CFR §1.121 and 37 CFR §1.116, please amend the above-identified application as set forth below.

Amendments to the Claims:

Please amend the claims as set forth below.

- (Currently Amended) A heat exchanger, comprising:

 a conduit wound as a spiral strand having a helicoidal shape, said helicoidal shape
 having substantially no straight portions wherein the helicoidally shaped strand has a plurality of loops; and
 a fin in contact with and extending between said loops.
- (Original) The heat exchanger according to claim 1, wherein a cross section of said tube is selected from the group consisting of circular, elliptical, lenticular, triangular, square, rectangular, and multi-sided polygons.
- (Original) The heat exchanger according to claim 1, further comprising a plurality of fins and said plurality of fins are spaced apart at regular intervals with one another.
- (Withdrawn) The heat exchanger according to claim 1, wherein said fin is continuous.
- (Original) The heat exchanger according to claim 1, wherein said fin is comprised of fin segments.
- 6. (Original) The heat exchanger according to claim 1, said helicoidal-shaped tube having an open core and further comprising a blower apparatus having an impeller rotably mounted within said core.

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- (Original) The heat exchanger according to claim 1, further comprising a blower apparatus whose impeller is rotably mounted around said helicoidally shaped strand.
- 8. (Original) The heat exchanger according to claim 1, wherein the loop of the helicoidally shaped strand has a configuration selected from the group consisting of circular, elliptical, lenticular, triangular, square, rectangular, and multi-sided polygons.
- (Withdrawn) The heat exchanger according to claim 1, wherein said tube includes a
 plurality of micro-channels.
- 10. (Withdrawn) The heat exchanger according to claim 1, wherein said helical tube forms a first winding and said fin forms a second winding, and wherein said first and second windings alternate in an axial direction.
- 11. (Original) The heat exchanger according to claim 1, wherein said fin includes a plurality of openings and said tube passes through at least one opening of said plurality of openings.
- 12. (Original) The heat exchanger according to claim 11, wherein said plurality of openings are formed by a plurality of through-holes equal to the number of helicoidal tube turns in a longitudinal direction of said plurality of fins and said through-holes receive said tube.
- 13. (Withdrawn) The heat exchanger according to claim 1, wherein said fin has first and second surfaces formed by folding a first sheet of a heat conductive material back and forth on itself to provide accordion-like folds which define said fin and attaching said tube to said fin along the fold lines.

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- 14. (Withdrawn) The heat exchanger according to claim 13, wherein said fin includes a plurality of openings and each of said plurality of openings is formed by a plurality of notches or holes at or below said fold lines for receiving said tube.
- 15. (Withdrawn) The heat exchanger according to claim 1, further comprising at least one other conduit wound as a spiral strand having a helicoidal shape.
- 16. (Withdrawn) The heat exchanger according to claim 15, wherein the said strands have equal coil pitch, and equal coil diameters.
- 17. (Withdrawn) The heat exchanger according to claim 15, wherein the said strands have different coil pitch, and different coil diameters.
- 18. (Withdrawn) The heat exchanger according to claim 15, wherein said strands have different tube diameters.
- 19. (Withdrawn) The heat exchanger according to claim 15, wherein said strands are adapted to receive and to output a first working fluid and said tubes are connected together to provide for fluid in individual strands to flow parallel or counter to each other.
- 20. (Original) A helicoidal tube heat exchanger comprising: a tube adapted to receive and to output a first working fluid; said tube being substantially helical such as to define at least one interval space between at least two loops of said tube; and a fin in thermodynamic communication with said tube and bridging said at least one interval space.

- 21. (Withdrawn) The helicoidal tube fin heat exchanger according to claim 20, said helical tube forming a first winding, said fin forming a second winding, and wherein said first and second windings alternate in an axial direction.
- 22. (Original) The helicoidal tube fin heat exchanger according to claim 20, wherein said fin includes openings and said tube passes through said openings.
- 23. (Original) The helicoidal tube fin heat exchanger according to claim 20, said helical tube having an open core and further comprising a blower apparatus having an impeller rotably associated with the said tube.
- 24. (Withdrawn) The helicoidal tube fin heat exchanger according to claim 20, wherein said tube includes a plurality of micro-channels and said first working fluid is distributed in said plurality of micro-channels.
- 25. (Withdrawn) The helicoidal tube fin heat exchanger according to claim 20, wherein said fin has first and second surfaces formed by folding a first sheet of a heat conductive material back and forth on itself to provide accordion-like folds which define said fin and attaching said tube to said fin along the fold surface.
- 26. (Original) The helicoidal tube fin heat exchanger according to claim 1, where the fin surface is selected from the group consisting of plain, perforated, louvered, slotted, wavy, and spine.
- 27. (Withdrawn) The helicoidal tube fin heat exchanger according to claim 9, where the cross section of the micro-channels is selected from the group consisting of circular, elliptical, lenticular, triangular, square, rectangular, and multi-sided polygons.

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28. (Previously Presented) The heat exchanger according to claim 1, said helicoidal shaped tube having an open core and further comprising a fan apparatus having an impeller mounted over said core.

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